



Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/627,507
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	July 25, 2003
				First Named Inventor	Kenji Yamagami
				Art Unit	2163
				Examiner Name	Patrick A. Damo
(Use as many sheets as necessary)				Attorney Docket Number	16869B-082900US
Sheet	1	of	4		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
P.D.	1	US-6,981,114	12-27-2005	Wu et al.	
P.D.	2	US-6,978,282	12-20-2005	Dings et al.	
P.D.	3	US-2005/0256811	11-17-2005	Pagei et al.	
P.D.	4	US-6,915,315	07-05-2005	Autrey et al.	
P.D.	5	US-2005/0108302	05-19-2005	Rand et al.	
P.D.	6	US-2005/0039069	02-17-2005	Prahlad et al.	
P.D.	7	US-2005/0027892	02-03-2005	McCabe et al.	
P.D.	8	US-6,839,819	01-04-2005	Martin	
P.D.	9	US-6,829,819	12-14-2004	Crue et al.	
P.D.	10	US-2004/0250033	12-09-2004	Prahlad et al.	
P.D.	11	US-2004/0250182	12-09-2004	Lyle et al.	
P.D.	12	US-2004/0225689	11-11-2004	Dettinger et al.	
P.D.	13	US-6,816,872	11-09-2004	Squibb	
P.D.	14	US-2004/0172577	09-02-2004	Tan et al.	
P.D.	15	US-2004/0163009	08-19-2004	Goldstein et al.	
P.D.	16	US-2004/0153558	08-05-2004	Gunduc et al.	
P.D.	17	US-2004/0133575	07-08-2004	Farmer et al.	
P.D.	18	US-2004/0128470	07-01-2004	Hetzler et al.	
P.D.	19	US-2004/0117572	06-17-2004	Welsh et al.	
P.D.	20	US-6,742,138	05-25-2004	Gagne et al.	
P.D.	21	US-2004/0088508	05-06-2004	Ballard et al.	
P.D.	22	US-6,728,747	04-27-2004	Jenkins et al.	
P.D.	23	US-2004/0068636	04-08-2004	Jacobson et al.	
P.D.	24	US-2004/0059882	03-25-2004	Kedem et al.	
P.D.	25	US-6,711,409	03-23-2004	Zavgren et al.	
P.D.	26	US-6,711,572	03-23-2004	Zakharov et al.	
P.D.	27	US-2004/0044828	03-04-2004	Gibble et al.	
P.D.	28	US-2004/0030837	02-12-2004	Geiner et al.	
P.D.	29	US-6,691,245	02-10-2004	DeKoning	
P.D.	30	US-2004/0010487	01-15-2004	Prahlad et al.	
P.D.	31	US-6,665,815	12-16-2003	Goldstein et al.	
P.D.	32	US-2003/0229764	12-11-2003	Ohno et al.	
P.D.	33	US-6,658,434	12-02-2003	Watanabe et al.	
P.D.	34	US-2003/0220935	11-27-2003	Vivian et al.	
P.D.	35	US-2003/0195903	10-16-2003	Manley et al.	

Examiner Signature		Date Considered	5/25/2006
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Sheet	2	of	4	Attorney Docket Number	16869B-082900US

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		Number Kind Code ² (if known)			
P.D.	36	US-2003/0177306	09-18-2003	Cochrane et al.	
P.D.	37	US-2003/0135650	07-17-2003	Kano et al.	
P.D.	38	US-6,594,781	07-15-2003	Komasaka et al.	
P.D.	39	US-6,587,970	07-01-2003	Wang et al.	
P.D.	40	US-2003/0115225	06-19-2003	Suzuki et al.	
P.D.	41	US-6,560,614	05-06-2003	Barboy et al.	
P.D.	42	US-2003/0074523	04-17-2003	Johnson	
P.D.	43	US-6,539,462	03-25-2003	Mikkelsen et al.	
P.D.	44	US-6,473,775	10-29-2002	Kusters et al.	
P.D.	45	US-6,442,706	08-27-2002	Wahl et al.	
P.D.	46	US-2002/0078244	06-20-2002	Howard	
P.D.	47	US-6,353,878	03-05-2002	Dunham	
P.D.	48	US-2002/0016827	02-07-2002	McCabe et al.	
P.D.	49	US-2001/0056438	12-27-2001	Ito	
P.D.	50	US-2001/0049749	12-06-2001	Katsuragi et al.	
P.D.	51	US-6,324,654	11-27-2001	Wahl et al.	
P.D.	52	US-6,298,345	10-02-2001	Armstrong et al.	
P.D.	53	US-6,269,381	07-31-2001	St. Pierre et al.	
P.D.	54	US-6,269,431	07-31-2001	Dunham	
P.D.	55	US-2001/0010070	07-26-2001	Crockett et al.	
P.D.	56	US-6,189,016	02-13-2001	Carbrera et al.	
P.D.	57	US-6,154,852	11-28-2000	Amundson et al.	
P.D.	58	US-6,128,630	10-03-2000	Shackelford	
P.D.	59	US-6,081,875	06-27-2000	Clifton et al.	
P.D.	60	US-09/588242	06-06-2000	Poston	unpublished application
P.D.	61	US-5,987,575	11-16-1999	Yamaguchi	
P.D.	62	US-5,870,758	02-09-1999	Bamford et al.	
P.D.	63	US-5,867,668	02-02-1999	Spirakis et al.	
P.D.	64	US-5,835,953	11-10-1998	Ohran	
P.D.	65	US-5,751,997	05-12-1998	Kullick et al.	
P.D.	66	US-5,720,029	02-17-1998	Kern et al.	
P.D.	67	US-5,701,480	12-23-1997	Raz	
P.D.	68	US-5,680,640	10-21-1997	Ofek et al.	
P.D.	69	US-5,664,186	09-02-1997	Bennett et al.	
P.D.	70	US-5,644,696	07-01-1997	Pearson et al.	

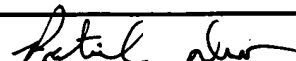
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P.D.	71	US-5,555,371	09-10-1996	Duyanovich et al.		
P.D.	72	US-5,551,003	08-27-1996	Mattson et al.		
P.D.	73	US-5,479,654	12-26-1995	Squibb		
P.D.	74	US-5,369,757	11-29-1994	Spiro et al.		
P.D.	75	US-5,283,154	11-16-1993	Eastridge et al.		
P.D.	76	US-5,065,311	11-12-1991	Masai et al.		
P.D.	77	US-4,823,261	04-18-1989	Bank et al.		
P.D.	78	US-4,077,059	02-28-1978	Cordi et al.		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
P.D.	79	PCT	WO03/092166		11-08-2003	Kashya Israel Ltd.		
P.D.	80	JP	2000-155708	A	06-06-2000	NEC Corp.		abstract only
P.D.	81	JP	11-353215	A	12-24-1999	NEC Corp.		abstract only
P.D.	82	JP	05-002517	A	01-08-1993	NEC Corp.		abstract only
P.D.	83	JP	03-103941	A	04-30-1991	NEC Corp.		abstract only

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
P.D.	84	"Making ROI a Snap: Leveraging the Power of Snapshot Technology with ComVault TM, QiNetix TM, Quick Recovery," CommVault Systems, Inc. Oceanport, NJ (2002).	<input type="checkbox"/>	
P.D.	85	"QiNetix Quick Recovery: Snapshot Management and Recovery," CommVault Systems, Inc. Oceanport, NJ (2005).	<input type="checkbox"/>	
P.D.	86	"QiNetix: Quick Recovery for Microsoft Exchange," CommVault Systems, Inc. Oceanport, NJ (2003).	<input type="checkbox"/>	
P.D.	87	BOHANNON et al. "Distributed Multi-Level Recovery in Main-Memory Databases," Proceedings of the 4th International Conference on Parallel and Distributed Information Systems, pp. 45-55 (1996).	<input type="checkbox"/>	
P.D.	88	ELNOZAHY et al "A Survey of Rollback-Recovery Protocols in Message-Passing Systems," ACM Computing Surveys 34:375-408 (Sept 2002).	<input type="checkbox"/>	
P.D.	89	HUNNICUTT et al, "Mission Data Storage Consolidation (MDSC)," Space Ops 2002 Conference, Paper ID: T2071 (2002).	<input type="checkbox"/>	
P.D.	90	LOMET et al "Efficient Transparent Application Recovery in Client-Server Information Systems," Proceedings of 1998 ACM SIGMOD International Conference on Management of Data, pp. 460-471 (1998).	<input type="checkbox"/>	
P.D.	91	PARK et al "An Efficient Recovery Scheme for Mobile Computing Environments," Proceedings of the 8th International Conference on Parallel and Distributed Systems (2001).	<input type="checkbox"/>	
P.D.	92	THATTE "Persistent Memory: A Storage Architecture for Object-Oriented Database Systems," Proceedings of the ACM/IEEE International Workshop on Object-Oriented Database Systems, Pacific Grove, CA, pp. 148-159 (1986).	<input type="checkbox"/>	

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